

CRF Errors Corrected by the STIC Systems Branch

PK

PCT/10

Serial Number: 10/049,700

ENTERED

CRF Processing Date: 11/29/2002

by: (STIC staff)

#5

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



PCT10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/049,759

DATE: 11/29/2002

TIME: 09:19:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11292002\J049759.raw

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3 <110> APPLICANT: COOK, David Ian
4      FRALEY, Kristie-Ann
5      ISHIBASHI, Hajime
6      KOMWATANA, Permsak
7      SANCHEZ-PEREZ, Angeles
8      YOUNG, John
9      DINUDOM, Anuwar
11 <120> TITLE OF INVENTION: Methods for diagnosis and treatment of human diseases
including
12      hypertension
14 <130> FILE REFERENCE: 1871-133
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/049,759
C--> 16 <141> CURRENT FILING DATE: 2002-07-24
16 <150> PRIOR APPLICATION NUMBER: PCT/AU00/00980
17 <151> PRIOR FILING DATE: 2000-08-16
19 <150> PRIOR APPLICATION NUMBER: PQ 2239
20 <151> PRIOR FILING DATE: 1999-08-16
22 <160> NUMBER OF SEQ ID NOS: 7
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 3186
28 <212> TYPE: DNA
29 <213> ORGANISM: Mus musculus
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34 aactgagtg ccactacag ccagctgggc aatgcctact tctacctgaa ggagtatgcc 180
35 cgggccctgc agttctacaa acatgacttg ctgctggcac ggaccattgg tgaccgcatg 240
36 ggggaggcca aggctagtgg gaacctgggc aacacactca gggccctagg ccgattcgat 300
37 gaggcaatcg tctgctgcca acgacacttg gacattgccc aggagcaggg ggacaagggt 360
38 ggggaggcga gagcactcta caacattgga aatgtgtacc acgccaaggg caaacagctt 420
39 tcctggaatg ctgcacagga ccccgggcac ctgccacctg atgtccgcga gacactgcac 480
40 agggcctctg agtttttatg gaggaacctg tctttggtga aggaactagg cgaccgggcg 540
41 gcccagggca gggcctatgg caacctgggt aacacccact acctactggg aaacttcacg 600
42 gaggccacaa ccttcacaa agagcgccctg gccatcgcca aggagtgttg ggacaaggca 660
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57 gaggccacag ctgccccatc cgtggaggat agagcagctc agtcctccgt gacagcttca 1560
58 ccacagacag aggagttctt tgacctcatt gccagctccc agagccgccg gctggacgac 1620
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64 cccagcagc agtgtccacc gggtagcagc taaggcctcg cccctacagc cagccatacc 1980
65 ctactctgga ctctgtaggc tcacggttgt ccacagtggc catgatcccc caataagcca 2040
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88 &lt;210&gt; SEQ ID NO: 2

89 &lt;211&gt; LENGTH: 650

90 &lt;212&gt; TYPE: PRT

91 &lt;213&gt; ORGANISM: Mus musculus

93 &lt;400&gt; SEQUENCE: 2

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95   1             5             10             15
97 Lys Ala Gly Asp Phe Lys Ala Gly Val Ala Phe Phe Glu Ala Ala Val
98             20             25             30
100 Gln Val Gly Thr Glu Asp Leu Lys Thr Leu Ser Ala Ile Tyr Ser Gln
101             35             40             45
103 Leu Gly Asn Ala Tyr Phe Tyr Leu Lys Glu Tyr Ala Arg Ala Leu Gln
104             50             55             60
106 Phe Tyr Lys His Asp Leu Leu Ala Arg Thr Ile Gly Asp Arg Met
107   65             70             75             80

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110      85      90      95
112 Gly Arg Phe Asp Glu Ala Ile Val Cys Cys Gln Arg His Leu Asp Ile
113      100      105      110
115 Ala Gln Glu Gln Gly Asp Lys Val Gly Glu Ala Arg Ala Leu Tyr Asn
116      115      120      125
118 Ile Gly Asn Val Tyr His Ala Lys Gly Lys Gln Leu Ser Trp Asn Ala
119      130      135      140
121 Ala Gln Asp Pro Gly His Leu Pro Pro Asp Val Arg Glu Thr Leu His
122 145      150      155      160
124 Arg Ala Ser Glu Phe Tyr Gly Arg Asn Leu Ser Leu Val Lys Glu Leu
125      165      170      175
127 Gly Asp Arg Ala Ala Gln Gly Arg Ala Tyr Gly Asn Leu Gly Asn Thr
128      180      185      190
130 His Tyr Leu Leu Gly Asn Phe Thr Glu Ala Thr Thr Phe His Lys Glu
131      195      200      205
133 Arg Leu Ala Ile Ala Lys Glu Phe Gly Asp Lys Ala Ala Glu Arg Arg
134      210      215      220
136 Ala Tyr Ser Asn Leu Gly Asn Ala His Ile Phe Leu Gly Arg Phe Asp
137 225      230      235      240
139 Val Ala Ala Glu His Tyr Lys Lys Thr Leu Gln Leu Ser Arg Gln Leu
140      245      250      255
142 Arg Asp Gln Ala Val Glu Ala Gln Ala Cys Tyr Ser Leu Gly Asn Thr
143      260      265      270
145 Tyr Thr Leu Leu Gln Asp Tyr Glu Arg Ala Ala Glu Tyr His Leu Arg
146      275      280      285
148 His Leu Val Ile Ala Gln Glu Leu Ala Asp Arg Val Gly Glu Gly Arg
149      290      295      300
151 Ala Cys Trp Ser Leu Gly Asn Ala Tyr Val Ser Met Gly Ser Pro Ala
152 305      310      315      320
154 Gln Ala Leu Thr Phe Ala Lys Lys His Leu Gln Ile Ser Gln Glu Ile
155      325      330      335
157 Gly Asp Arg Asn Gly Glu Leu Thr Ala Arg Met Asn Ile Ala His Leu
158      340      345      350
160 Gln Leu Ala Leu Gly Arg Leu Thr Ser Pro Ala Ala Ala Glu Lys Pro
161      355      360      365
163 Asp Leu Ala Gly Tyr Glu Ala Gln Gly Ala Arg Pro Lys Arg Thr Gln
164      370      375      380
166 Arg Leu Ser Ala Glu Thr Trp Asp Leu Leu Arg Leu Pro Leu Asp Arg
167 385      390      395      400
169 Glu Gln Asn Gly Glu Thr His His Thr Gly Asp Trp Arg Gly Pro Gly
170      405      410      415
172 Arg Asp Ser Leu Pro Leu Pro Met Arg Ser Arg Lys Tyr Gln Glu Gly
173      420      425      430
175 Pro Asp Ala Ile Glu Arg Arg Pro Arg Glu Gly Ser His Ser Pro Leu
176      435      440      445
178 Asp Ser Ala Asp Val Arg Val Gln Val Pro Arg Thr Gly Ile Pro Arg
179      450      455      460
181 Ala Pro Ser Ser Asp Glu Glu Cys Phe Phe Asp Leu Leu Ser Lys Phe

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182 465          470          475          480
184 Gln Ser Ser Arg Met Asp Asp Gln Arg Cys Pro Leu Glu Glu Gly Gln
185          485          490          495
187 Ala Gly Ala Ala Glu Ala Thr Ala Ala Pro Ser Val Glu Asp Arg Ala
188          500          505          510
190 Ala Gln Ser Ser Val Thr Ala Ser Pro Gln Thr Glu Glu Phe Phe Asp
191          515          520          525
193 Leu Ile Ala Ser Ser Gln Ser Arg Arg Leu Asp Asp Gln Arg Ala Ser
194          530          535          540
196 Val Gly Ser Leu Pro Gly Leu Arg Ile Thr Leu Asn Asn Val Gly His
197 545          550          555          560
199 Leu Arg Gly Asp Gly Asp Ala Gln Glu Pro Gly Asp Glu Phe Phe Asn
200          565          570          575
202 Met Leu Ile Lys Tyr Gln Ser Ser Arg Ile Asp Asp Gln Arg Cys Pro
203          580          585          590
205 Pro Pro Asp Val Leu Pro Arg Gly Pro Thr Met Pro Asp Glu Asp Phe
206          595          600          605
208 Phe Ser Leu Ile Gln Arg Val Gln Ala Lys Arg Met Asp Glu Gln Arg
209          610          615          620
211 Val Asp Leu Ala Gly Ser Pro Glu Gln Glu Ala Ser Gly Leu Pro Asp
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215          645          650
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220 <211> LENGTH: 2566
221 <212> TYPE: DNA
222 <213> ORGANISM: Mus musculus
224 <400> SEQUENCE: 3
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227 tgctctccca gcctccctca cgcgtggacg ccgggcttcc ggacctgggc ggagccccgg 180
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229 gagccccggg cagttgcgga tgccttgag accggagagg aagatgcggt gacagaagct 300
230 ctgcggtcgt tcaaccggga gcattctcag agcttcacct tcgatgatgc ccagcaggag 360
231 gacaggaaga gactcgcaaa gctactggtc tccgtcctgg agcagggctt gtcaccaaag 420
232 caccgtgtca cctggctgca gactatccga atcctatccc gagaccgcag ctgcctggac 480
233 tcatttgcca gccgccagag cttacatgca ctagcctgct atgctgacat taccgtctca 540
234 gaggaacca tcccacagtc cccagacatg gatgtcctcc tcgagtctct caaatgcctg 600
235 tgtaatcttg tgctcagcag tccaacagca cagatgctag cagcagaggc tcgcctggtg 660
236 gtgaggctag cggagcgtgt gggactgtac cgcaagagga gctatcccca cgaagtccag 720
237 ttctttgact tgaggctcct tttcctgcta acagcccttc gcacggatgt gcgccagcaa 780
238 ctgtttcagg agctgcacgg tgtacgcctg ctgactgatg cgctggaact aacactgggc 840
239 gtggcccca aagaaaacc tccggtgatg cttccagccc aagagacgga gagggccatg 900
240 gagatcctca aagtgcctt taatatcacc tttgactctg tcaagaggga agttgatgag 960
241 gaagatgctg ccctttaccg gtacctggg actcttctgc ggcactgctg gatggttgaa 1020
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243 cccctcaagt gtttgatgt gcttctggcc ctggagctcc acgaaggatc cttagagttc 1140
244 atgggagtta acatggatgt gatcagtgcc ctctcgcct tcctagagaa acgtctgcac 1200
245 cagaccaca ggctgaagga atgtgtggca cctgtgctga acgtgttgac agaattgtgc 1260

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248 cacctggata cagatgtgaa gagagtagct gccgagttcc tctttgtctt atgttctgaa 1440
249 agtgtgcccc gattcatcaa gtacacaggc tacgggaatg ctgccggcct cctggctgcc 1500
250 aggggcctca tggctggggg ccgacccgag ggccagtact cagaggacga ggacacggac 1560
251 acagaggagt acaggggaagc caaggccagc atcaaccctg tgactggaag ggtggaggag 1620
252 aagccgccta atcctatgga aggcattgaca gaggagcaga aggaacatga ggccatgaag 1680
253 ctagtgaaca tgtttgacaa gctctccagg cacagagtca tccaacccat ggggatgagt 1740
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257 ctggggagcc cttctctctc tcctcacat ttctgtcatc tgcctttggt ccagtttctc 1980
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259 acaagtgaag ttgtttcttg gatgtggctg cagccacgag cagaattgcc ctggcacata 2100
260 aatgaacatg cgtgtatgag ggtggtaatg gagcagggtg cacatggtgt aagcatgact 2160
261 gggctggatg ccagcccaga gcccgatatg ggggcatacg ctgtgtttca aacattttag 2220
262 aatctgttga aattgtttta gtatgtcaga aaacacacca agcgtcatgg ttcctgcttc 2280
263 tggccccact gagcacaggg ctagtggcct cttcttaact ttttggtcct ggcgctgcca 2340
264 cccactgcag tatccgcata cccaagcctc actagtgtgt acaactaact cagtcacaac 2400
265 cactggctta gtaattctgt gaaggcgaaa gtaagacaaa gtcaaactctg agattctgag 2460
266 gcacagaata caggagagtt tgggacaaga ctgtgtatgt gaagtagtca ggtgaaaggc 2520
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270 &lt;210&gt; SEQ ID NO: 4

271 &lt;211&gt; LENGTH: 530

272 &lt;212&gt; TYPE: PRT

273 &lt;213&gt; ORGANISM: Mus musculus

275 &lt;400&gt; SEQUENCE: 4

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277   1           5           10           15
279 Ala Val Thr Glu Ala Leu Arg Ser Phe Asn Arg Glu His Ser Gln Ser
280           20           25           30
282 Phe Thr Phe Asp Asp Ala Gln Gln Glu Asp Arg Lys Arg Leu Ala Lys
283           35           40           45
285 Leu Leu Val Ser Val Leu Glu Gln Gly Leu Ser Pro Lys His Arg Val
286           50           55           60
288 Thr Trp Leu Gln Thr Ile Arg Ile Leu Ser Arg Asp Arg Ser Cys Leu
289   65           70           75           80
291 Asp Ser Phe Ala Ser Arg Gln Ser Leu His Ala Leu Ala Cys Tyr Ala
292           85           90           95
294 Asp Ile Thr Val Ser Glu Glu Pro Ile Pro Gln Ser Pro Asp Met Asp
295           100          105          110
297 Val Leu Leu Glu Ser Leu Lys Cys Leu Cys Asn Leu Val Leu Ser Ser
298           115          120          125
300 Pro Thr Ala Gln Met Leu Ala Ala Glu Ala Arg Leu Val Val Arg Leu
301           130          135          140
303 Ala Glu Arg Val Gly Leu Tyr Arg Lys Arg Ser Tyr Pro His Glu Val
304  145           150          155          160
306 Gln Phe Phe Asp Leu Arg Leu Leu Phe Leu Leu Thr Ala Leu Arg Thr
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VERIFICATION SUMMARY

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Output Set: N:\CRF4\11292002\J049759.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date